

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/565,487
Source: IFWP
Date Processed by STIC: 1-27-06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 01/27/2006

PATENT APPLICATION: US/10/565,487

TIME: 14:39:24

Input Set : N:\SMITH\PTO.TS27.txt

Output Set: N:\CRF4\01272006\J565487.raw

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3 <110> APPLICANT: Edwards, Mark Richard
4   Olsson, Per Georg
6 <120> TITLE OF INVENTION: GENETIC MARKER FOR CORONARY ARTERY DISEASE
8 <130> FILE REFERENCE: ASZD-P01-135
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/565,487
C--> 10 <141> CURRENT FILING DATE: 2006-01-20
10 <150> PRIOR APPLICATION NUMBER: SE 0302121-9
11 <151> PRIOR FILING DATE: 2003-07-22
13 <160> NUMBER OF SEQ ID NOS: 23
15 <170> SOFTWARE: PatentIn version 3.2
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 389
19 <212> TYPE: PRT
20 <213> ORGANISM: Homo sapiens
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25 1          5          10          15
28 Ser Ala Ala Pro Pro Gly Ala Glu Gly Asn Arg Thr Ala Gly Pro Pro
29          20          25          30
32 Arg Arg Asn Glu Ala Leu Ala Arg Val Glu Val Ala Val Leu Cys Leu
33          35          40          45
36 Ile Leu Leu Leu Ala Leu Ser Gly Asn Ala Cys Val Leu Leu Ala Leu
37          50          55          60
40 Arg Thr Thr Arg Gln Lys His Ser Arg Leu Phe Phe Phe Met Lys His
41 65          70          75          80
44 Leu Ser Ile Ala Asp Leu Val Val Ala Val Phe Gln Val Leu Pro Gln
45          85          90          95
48 Leu Leu Trp Asp Ile Thr Phe Arg Phe Tyr Gly Pro Asp Leu Leu Cys
49          100         105         110
52 Arg Leu Val Lys Tyr Leu Gln Val Val Gly Met Phe Ala Ser Thr Tyr
53          115         120         125
56 Leu Leu Leu Leu Met Ser Leu Asp Arg Cys Leu Ala Ile Cys Gln Pro
57          130         135         140
60 Leu Arg Ser Leu Arg Arg Arg Thr Asp Arg Leu Ala Val Leu Ala Thr
61 145         150         155         160
64 Trp Leu Gly Cys Leu Val Ala Ser Ala Pro Gln Val His Ile Phe Ser
65          165         170         175
68 Leu Arg Glu Val Ala Asp Gly Val Phe Asp Cys Trp Ala Val Phe Ile
69          180         185         190
72 Gln Pro Trp Gly Pro Lys Ala Tyr Ile Thr Trp Ile Thr Leu Ala Val
73          195         200         205
76 Tyr Ile Val Pro Val Ile Val Leu Ala Ala Cys Tyr Gly Leu Ile Ser
77          210         215         220

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80 Phe Lys Ile Trp Gln Asn Leu Arg Leu Lys Thr Ala Ala Ala Ala Ala
 81 225 230 235 240
 84 Ala Glu Ala Pro Glu Gly Ala Ala Ala Gly Asp Gly Gly Arg Val Ala
 85 245 250 255
 88 Leu Ala Arg Val Ser Ser Val Lys Leu Ile Ser Lys Ala Lys Ile Arg
 89 260 265 270
 92 Thr Val Lys Met Thr Phe Ile Ile Val Leu Ala Phe Ile Val Cys Trp
 93 275 280 285
 96 Thr Pro Phe Phe Phe Val Gln Met Trp Ser Val Trp Asp Ala Asn Ala
 97 290 295 300
 100 Pro Lys Glu Ala Ser Ala Phe Ile Ile Val Met Leu Leu Ala Ser Leu
 101 305 310 315 320
 104 Asn Ser Cys Cys Asn Pro Trp Ile Tyr Met Leu Phe Thr Gly His Leu
 105 325 330 335
 108 Phe His Glu Leu Val Gln Arg Phe Leu Cys Cys Ser Ala Ser Tyr Leu
 109 340 345 350
 112 Lys Gly Arg Arg Leu Gly Glu Thr Ser Ala Ser Lys Lys Ser Asn Ser
 113 355 360 365
 116 Ser Ser Phe Val Leu Ser His Arg Ser Ser Ser Gln Arg Ser Cys Ser
 117 370 375 380
 120 Gln Pro Ser Thr Ala
 121 385

124 <210> SEQ ID NO: 2

125 <211> LENGTH: 4361

126 <212> TYPE: DNA

127 <213> ORGANISM: Homo sapiens

129 <400> SEQUENCE: 2

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134	gcgcg	catc	cagac	gctgt	ccgcg	cg	gcg	agc	ctggg	ag	180
136	gtaccc	atcc	agcga	ccagc	caggct	gcgg	cgagg	gggatt	ccaac	cgagg	240
138	agacct	cagc	ttagc	atcac	attagg	tgc	gccgg	caggc	catccc	aaact	300
140	gcgcac	gcgt	cactg	ggggcc	gtcagt	cgcc	gtgca	aacttc	cccgg	ggggga	360
142	ggttcg	cctg	cggact	cggt	gcagt	ggaag	ccgct	gaaca	tccc	gaggaa	420
144	ggggg	ctctg	ggctt	gtggc	cggtag	agga	ttccc	gctca	tttg	cagtgg	480
146	gggtg	gacca	gcagat	ccgt	ggagtc	tccagg	agtg	gagccc	cg	ccctaca	540
148	ccctcc	gaca	cgccgg	atcc	ggccc	agccg	cgcca	agccg	taaa	gggctc	600
150	gcgcacc	gct	gccg	ccagg	tc	atgg	aggg	gcg	ctcg	ca	660
152	agcca	acgcc	agcgc	ccgcgc	cgccg	ggggc	cgagg	gcaac	cg	caccgccg	720
154	gcgca	acgag	gccct	ggcgc	gcgtg	gaggt	ggcgt	gtgct	catcc	tgctc	780
156	gctga	gcggg	aacgc	gtgtg	tgctg	ctggc	gctgc	gcacc	acacg	ccaga	840
158	cctctt	cttc	ttcat	gaagc	accta	agcat	cgccg	acctg	gtggt	ggcag	900
160	gctgc	ccgag	ttgct	gtggg	acatc	acctt	ccgctt	ctac	gggccc	gacc	960
162	cctgg	tcaag	tactt	gcagg	tggtg	gggcat	gttcg	cctcc	acctac	ctgc	1020
164	gtccct	ggac	cgctg	cctgg	ccatc	tgcca	gccgt	cgcg	tcgct	gcgc	1080
166	ccgcct	ggca	gtgct	cgcca	cgtgg	ctcgg	ctgc	ctggtg	gccag	cgcg	1140
168	catctt	ctct	ctgcg	cgagg	tggct	gacgg	cgtctt	cgac	tgctg	gggccc	1200
170	gccctg	gggga	cccaag	gcct	acatc	acatg	gatcac	gcta	gctgt	ctaca	1260
172	catcgt	gctc	gctgc	cctgct	acggc	cttat	cagctt	caag	atctg	gcgaga	1320

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174	caagaccgct	gcagcggcgg	cggccgaggg	gccagagggc	gcggcggctg	gcgatggggg	1380
176	gcgcgtggcc	ctggcgcgtg	tcagcagcgt	caagctcatc	tccaaggcca	agatccgcac	1440
178	ggtcaagatg	actttcatca	tcgtgctggc	cttcatcgtg	tgctggacgc	ctttcttctt	1500
180	cgtgcagatg	tggagcgtct	gggatgccaa	cgcgcccaag	gaagcctcgg	ccttcatcat	1560
182	cgtcatgctc	ctggccagcc	tcaacagctg	ctgcaacccc	tggatctaca	tgtgtttcac	1620
184	gggccacctc	ttccacgaac	tcgtgcagcg	cttcctgtgc	tgtccgcca	gctacctgaa	1680
186	gggcagacgc	ctgggagaga	cgagtgccag	caaaaagagc	aactcgtcct	cctttgtcct	1740
188	gagccatcgc	agctccagcc	agaggagctg	ctcccagcca	tccacggcgt	gacccaccag	1800
190	ccagggccag	ggctgcagcc	tgaggctcag	gctgtgctgg	cataagtgtc	ctgctcctag	1860
192	gtgatggcgt	atgtttgtgt	ataaggtacc	tatcagtttg	tatccctccc	ctccttgggg	1920
194	tggcttcagt	ggggtggaga	gtggcctcca	tgatgggaaga	tgatagggga	ctcagccatc	1980
196	agacaacacc	ctggcctcct	acacgtactt	ctaccaccct	gaacccactg	ctgccctggg	2040
198	cagtgaagtg	cttggttttt	ctcctggact	tgtaatttca	ctccagtata	tttttacttc	2100
200	ttcattcttg	gatattgtga	aaagcggtaa	atataggatt	ggtgaccaat	tgggtcagga	2160
202	agtccagtgt	tctggacttg	gggtaagcag	tggggttggg	acctcagatg	ggaaggggtg	2220
204	tgctaagatc	ctcctgacct	caaagtgtat	ttgcctttta	gcgaacaaat	gctggggttc	2280
206	ttggggacca	gcttgtcaga	gggtagccct	aagagaaggg	gattaccttg	taagaccatc	2340
208	tggcgcagtg	gacctattag	aacttgggtt	aaaaatgttt	aagaagctaa	tgtttaagaa	2400
210	gcatttggga	aagaaaaaga	aataaatgta	tccagatagg	aaaagaagaa	gtaaaactat	2460
212	ttgcagatga	cacagttttg	tatatagaaa	atcctaagga	actcacacac	acacacacac	2520
214	acacacacgc	acacagctat	tagaactaat	aagcaagttc	cgcaagggtt	caagatacaa	2580
216	gatcaatata	caaaaatgaa	ttgtatttct	ttatactagc	aacaaacaat	atgaaaacga	2640
218	agttaaataa	ttccatttat	aataccatca	gaaagaataa	aataggaatc	aacttaacaa	2700
220	aacaagtgca	agactgaaaa	ctacaaaatt	ggaaaagaat	taaagaaggc	ttaaataaat	2760
222	ggaaagacat	cctgtgttca	tggatcagac	ttagtattgt	taagatggca	atactatcct	2820
224	aactgacatg	cagattcagt	gcaatcctta	tgaaaatcat	agctggcttc	tttacagaaa	2880
226	ttgataagct	agtcccaaaa	ttcataaaga	aatgcaaggg	accagaata	tccaaataag	2940
228	ccttgaaaaa	gaacaaagtt	gggtggattca	cacttcctga	tttcataatt	tacgataaag	3000
230	gtaatcagct	cagtgtgtta	ctgggtttaag	gatagacata	cggagcagaa	taaagagtac	3060
232	agatatgaac	acttatactt	acggtcaatt	gattttttgac	aagggtccca	agacaattca	3120
234	atagagaaa	gagagtcttt	tcaacaaatg	gcaccgagac	aatgatatgc	aagtgcacaaa	3180
236	gaatgagggt	ggacctttac	tcacactatg	tgcacaaaatc	aactcaaaac	gcatccaaga	3240
238	tctaaatata	agagctgaaa	ctataaaaatc	ttagaaagaa	acataggcat	agatctttgt	3300
240	aaccttgaat	taggcagtgg	tttcttagat	atgataccaa	agacacaagc	aaccaatgga	3360
242	aaaataggta	aattggactt	aatcaagatt	tgaagctttt	gtgattgaaa	agaccctatc	3420
244	aagaagggtga	aaagataacc	tgcagaatgg	gagaaaaatat	ttgcgagtca	tatatatgat	3480
246	aaggggcttg	tatctggaat	atataaataa	ctcttataac	acaacaataa	ggagaaaaaat	3540
248	aaatcaattt	aaaaaatggg	ctaacgggtt	gaatagacat	ttctccaaag	aagatatgca	3600
250	aatggctact	aagcacatga	aaaaatactc	aacattatta	ttcattaggg	aaatgcaagt	3660
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254	aagaacgagt	gtcggtgagg	atgtagagaa	actggtagaa	atttaaattg	ttggtgggaa	3780
256	tgtaaatggt	gcacctgctt	tgaacaaacag	tttggcagta	cctcaaaaag	ttaaacgtag	3840
258	agtgaccata	tgaccagga	atgccactcc	taggtattta	cccaagagaa	atgaaaacgt	3900
260	acatacacac	aaaaacttgt	acaccaatgt	tcatagcaac	attatttgta	atagccaaaa	3960
262	agtggaaaca	acccaaatgt	ctaccaactg	atgaatggga	aataaaatgt	ggtctgtcca	4020
264	cgcaatggaa	cattattaga	ctctaaaaag	aaatgaagta	ctcacacatg	ccacaacatg	4080
266	gatgagcctt	gaaaacttgc	taagtgaag	aagccagggtg	caaaagccca	catattgtct	4140
268	gactgcattg	aaatgcaatg	tctaaaatgg	acgaatctat	atagagtga	tatagattag	4200
270	cgtttgccag	ggcctggagg	ctgtgagaga	tgaggcatga	ctactaaggg	tttgggggtt	4260

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272 ctttttcggg tgatgaaaat gttctgaaat tagtggtgat tgtgcacgat tttgagaatg 4320
274 tactaaaaac caatgaactt taaaaataa aaataaaca a 4361
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278 <211> LENGTH: 61
279 <212> TYPE: DNA
280 <213> ORGANISM: Homo sapiens
282 <400> SEQUENCE: 3
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285 c 61
288 <210> SEQ ID NO: 4
289 <211> LENGTH: 61
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapiens
293 <400> SEQUENCE: 4
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296 t 61
299 <210> SEQ ID NO: 5
300 <211> LENGTH: 61
301 <212> TYPE: DNA
302 <213> ORGANISM: Homo sapiens
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305 caccttcagc cttgtcctca gcagtcctcc wacctggaag gcacattccc cacctacaga 60
307 a 61
310 <210> SEQ ID NO: 6
311 <211> LENGTH: 61
312 <212> TYPE: DNA
313 <213> ORGANISM: Homo sapiens
315 <400> SEQUENCE: 6
316 ttttaagttca tgttaagatg aacttccact wtaagttcaa gaaatccagc tgaagccaag 60
318 a 61
321 <210> SEQ ID NO: 7
322 <211> LENGTH: 61
323 <212> TYPE: DNA
324 <213> ORGANISM: Homo sapiens
327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <222> LOCATION: (53)..(53)
330 <223> OTHER INFORMATION: n is a, c, g, or t
332 <400> SEQUENCE: 7
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335 g 61
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340 <212> TYPE: DNA
341 <213> ORGANISM: Homo sapiens
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346 t 61
349 <210> SEQ ID NO: 9

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352 <213> ORGANISM: Homo sapiens
354 <400> SEQUENCE: 9
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357 a                                                                    61
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361 <211> LENGTH: 30
362 <212> TYPE: DNA
363 <213> ORGANISM: Homo sapiens
365 <400> SEQUENCE: 10
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371 <212> TYPE: DNA
372 <213> ORGANISM: Homo sapiens
374 <400> SEQUENCE: 11
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383 <400> SEQUENCE: 12
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388 <211> LENGTH: 30
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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 53

Seq#:21; N Pos. 22

VERIFICATION SUMMARY

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Input Set : N:\SMITH\PTO.TS27.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0